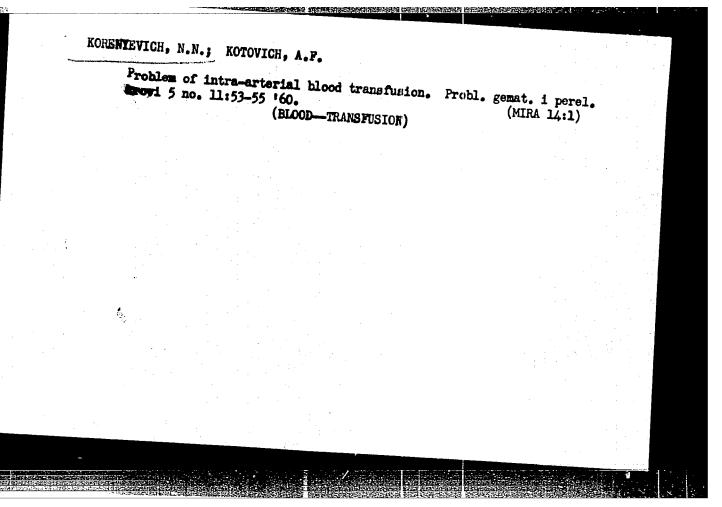
KORENYAKO, A.S.; KREMENSHTEYN, L.I.; PETROVSKIY, S.D.; DVSIYENKO, G.M.; HAKHANOV, V.Ye.; Prinimal uchastiye YEMTS, P.M.; IVANOV, A.P., prof., retsenzent

[Preparation of a course project on the theory of mechanisms and machines] Kursovoe proektirovanie po teorii mekhanizmov i mashin. [By] A.S.Koreniako i dr. Ind.4., perer. Moskva, Leningrad, 1964. 324 p. (MIRA 17:9)



KORENYI, B. Andrag, dr.; KISBAN, Gabriella, dr.; BARTOK, Istvan, dr.

Contribution to the pathology of multiple primary malignant tumors. Magy. onkol. 7 no.3:177-185 5'63.

1. Szegedi Orvostudomanyi Egyetem, Korbonctani es Korszovettani Intezet.

(STOMACH NEOPLASMS) (LUNG NBOPLASMS)
(INTESTINAL NEOPLASMS) (BERAST NEOPLASMS)
(UTERINE NEOPLASMS) (BLADER NEOPLASMS)
(PANCREATIC NEOPLASMS) (NEOPLASM METASTASIS)
(PATHOLOGY)

KORENYI, Gyula, okleveles mernok, MAV muszaki tanacsos, fomernok; MISTETH, Endre, okleveles mernok

Design and construction of the Tatabanya underpass on the No.l highway. Melyepitestud szemle 13 no.5:208-217 My *63.

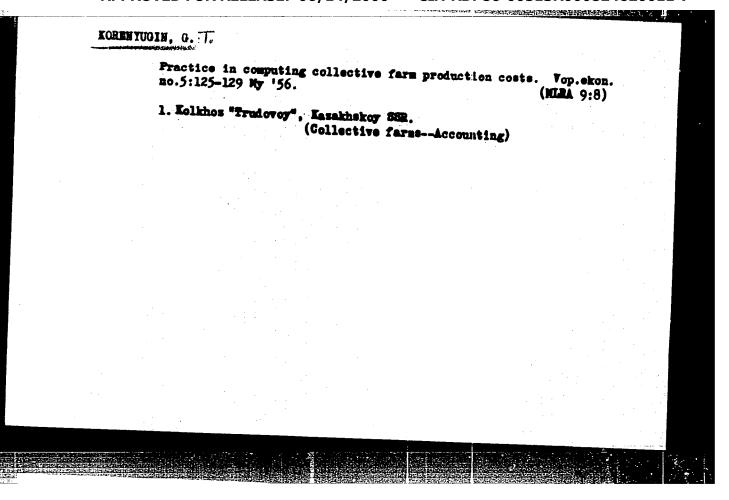
1. MAV Hidepitesi Fonokseg, Budapest (for Korenyi).
2. Vizugyi Tervezo Vallalat osztalyvezatoje (for Misteth).

KORENYL, M.

"For a more economic wintering!

p. 4 (Allami Gazdaszag) Vol. 9, no. 12, Dec. 1957 Budapest, Hungary

So: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4, April 1958



KORENTUGIN Georgia Tikhonovich; TERESECHENKO, N.I., red.; ZUBRILIMA,
Z.P., tekhnired.

[Experience in organizing collective farm accounting] Opyt
organizatii ucheta v kolkhose. Moskva, Gos.isd-vo sel'khos.
lit-ry, 1958. 630 p.
(Collective farms--Accounting)

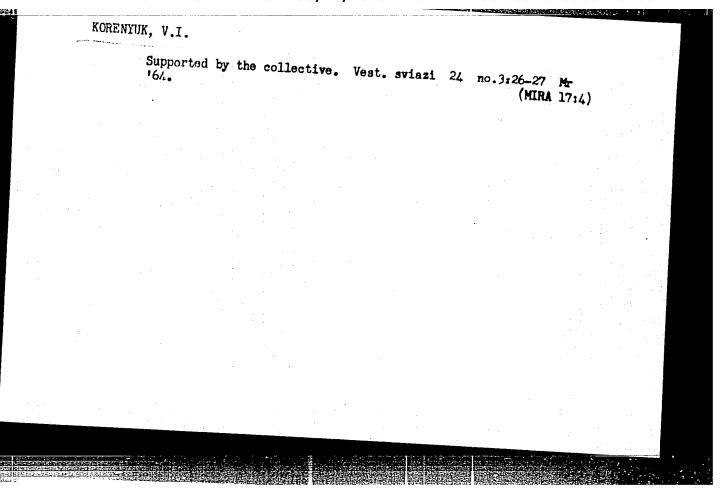
(MIRA 11:12)

RUSAKOV, G.K., kand.sel'skokhos.nauk; SUBBOTIN, V.P., kand.ekon.nauk; LIPATOVA, V.A., kand.ekon.nauk; ARINA, A.Te., kand.sel'skokhos.nauk; KORENTUGIN, G.T., mladshiy nauchnyy sotrudnik; PANKOVA, K.I., aspirantka; KLADCHIKOV, S.M., otv.red.; KOLICHEV, L.I., red.; SVIADOSTS, Yu.I., red.

[Accounting on collective farms when business accounting is in use] Bukhgalterskii uchet v kolkhosakh pri vnedrenii khosrascheta. Moskva, 1960. 246 p. (MIRA 13:5)

1. Moscow. Vsesoyusnyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khosyaystva. 2. Zaveduyushchiy otdelom ekonomiki i organisatsii proisvodstva kolkhosov Vsesoyusnogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khosyaystva (for Rusakov). 3. Otdel ekonomiki i organisatsii proisvodstva kolkhosov Vsesoyusnogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Subbotin, Lipatova, Arina). 4. Kashirakiy opornyy punkt Vsesoyusnogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khosyaystva (for Korenyugin). 5. Vsesoyusnyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khosyaystva (for Pankova).

(Collective farms--Accounting)



RORENTUK, Yu. M.

Detachability of the slag crust in copper welding under a silicate flux. Avtom. svar. 16 no.3:40-44 Mr '63.

(MIRA 16:4)

1. Institut elektrosvarki imeni Ye. 0. Patona AN UkrSSR.

(Copper—Welding) (Slag)

81481

18. 4000

S/125/60/000/05/06/015

AUTHORS:

Korenyuk, Yu. M., Didkovskiy, V. P.

TITLE:

Electroslag Casting of Copper and Some Copper Alloy

PERIODICAL: Avtomaticheskaya svarka, 1960, No. 5, pp. 44-49

Detailed information is presented on a new casting method developed by the Electric Welding Institute imeni Ye. 0. Paton. suitable for special steels, alloys and nonferrous metal. Phosphor-tin-bronze ingots of high quality were obtained, free of the usual defects caused by reverse liquation during crystallization. Copper and "Br. OF 6.5-0.15" bronze was smelted by large-size electrodes in an "A-550" apparatus fed with a-c current of industrial frequency through a "TShS-3000-1" welding transformer. Of the fluoride fluxes tried, the "ANF-5" type (75% CaF, and 25% NaF) proved best. Intercrystalline nonhomogeneity of ingots could be eliminated by annealing during several hours at 700-800 C. Microstructure obtained is shown in photographs, with no traces of reverse liquation. Good copper ingots were obtained with the use of commercial sodium fluorida for flux and argon for protection of the slag bath. The bronze ingots were cold-rolled into 250 mm bands, 0.55 mm thick at the "Krasnyy

Card 1/2

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S/125/60/000/05/06/015

Electroslag Casting of Copper and Some Copper Alloy Ingots

vyborzhets" plant, without any defects in the band, whilst bands rolled for comparison from ingots produced by semicontinuous casting did have defects. The copper alloys experimented with, contained berillium, Zirconium and titanium. High-mechanical properties of the copper ingots obtained are compared with properties of copper cast conventionally (Table 4). There are 6 photographs, 4 tables, and 4 Soviet references.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye. O. Patona AN USSR (Red Banner of Labor Electric Welding Institute imeni Ye. O. Paton AS UkrSSR)

37667 S/125/62/000/004/005/013 D040/D113

1.2300

AUTHOR:

Korenyuk, Yu.M.

TITLE:

Automatic submerged-arc welding of thick sheet copper

PERIODICAL: Avtomaticheskaya svarka, no. 4, 1962, 26-32

TEXT: Experiments in welding up to 28 mm thick copper using the single-pass automatic submerged-arc process were conducted because of trouble with hot cracks, particularly in thicker metal. The base metal and electrode wires were made of copper with 0.5% Cr and M 3 (M3) copper with 0.008-0.01% 0_2 ,

< 0.002% Bi and < 0.01% Pb content. Standard welding equipment and an AH-26 (AN-26) flux were used. It was stated in welding 18-28 nm thick copper that the weld shape ratio is an important factor, and that crack resistance was satisfactory when this ratio was 1.8;2.0. The ratio could be raised by slowing down the welding speed to definite limits, but high plasticity was obtained only at a high welding speed. The observed effect

Card 1/2

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CIA-RDP86-00513R000824620011-7

S/125/62/000/004/005/013 D040/D113

Automatic submerged-arc welding ...

of current consumption, are voltage and wire diameter on the width of welds is discussed and illustrated. Welding with a "split electrode", i.e. two wires in a special welding nozzle which is used in welding aluminum, proved to be an effective means for increasing the weld width and is recommended. A photo of the A -694 (A-694) split-electrode nozzle, designed by Engineer V.A. Smolyarko and used in experiments is included. It is recommended to use 5 mm electrode wire for welding copper of up to 12 mm thickness without bevelling the edges, and to employ a split electrode for thicker metal, though the mechanical properties of welded joints produced by single and by "split" wire are practically the same. Sound welds without slag inclusions and other flaws were obtained. There are 7 figures and 2 tables.

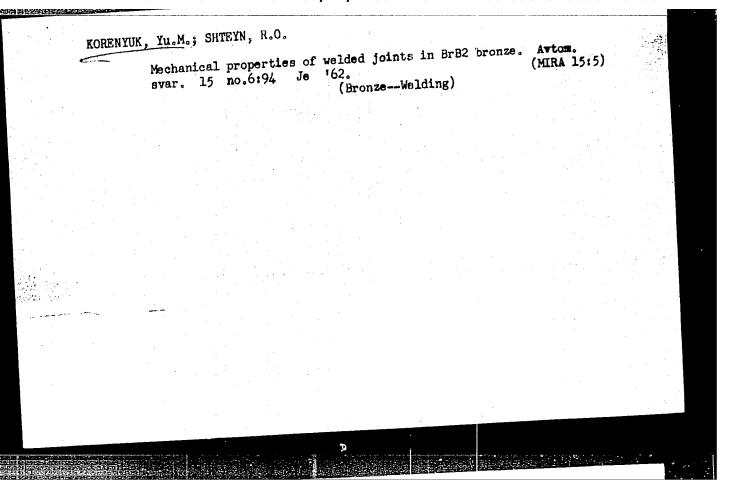
Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR (Electric Welding Institute "Order of the

Red Banner of Labor" im. Ye.O.Paton, AS JkrSSR).

SUBMITTED:

July 15, 1961

Card 2/2



1. Institut elektrosvarki im. Ye.O.Patona AN UkrSSR. (Copper-Welding) (Thermal stresses)	Crack formation during the welding of copper containing Avtom. svar. 16 no.4:24-26 Ap 163.	· ·
	Turbitut elektrosvarki im. Ye.O.Patona AN UkrSSR.	stresses)

NAUMOV, Yu.G. (Kol'chugino); KORENYUK, Yu.M.

Welding flanges to extruded copper pipes. Avtom. svar. 16
no.7:84-85 Jl '63. (MIRA 16:8)

1. Institut elektrosvarki im. Ye.O. Fatona AN UkriSSR (for Korenyuk).

(Pipe, Copper—Welding)

KORENYUK, Yu.M.; MANZHELEY, G.P.; RABKIN, D.M.

Reaction between metal and slag during the welding of copper under flux. Avtom. svar. 17 no.5:33-39 My 164. (MIRA 17:11)

1. Institut elektrosvarki imeni Patona AN UkrSSR.

PETSHAUFR, A.V., inzh.; MAYLYAN, V.A., inzh.; KOREMYUK, Yu.M., inzh.

Welding under flux of 40x50mm copper rings. Sver.proizv. no.5:35-36

(MIRA 18:6)

My 165.

1. Dagestanskiy zavod elektrotermidheskogo oborudovaniya (for Petshauer, Maylyan). 2. Institut elektrosvarki im. Ye.O.Fetona (for Korenyuk).

CCESSION NR: AP5016020	
	. 611.791 0 : 621.9-462
UTHOR: Teytel', I. L. (Engineer, Verk	chnyaya Salda); <u>Flastinin, A. I.</u> (Engineer, 13
erkhnyaya Salda); Korenyuk, Yu. M. (Er	igineer)
TILE: Flux welding of thick copper to	ibes (
OURCE: Avtomaticheskaya svarka, no. 6	1, 1965, 62-6 ⁴ /
	crostructure, copper alloy, arc welding,
ube joint, heat conductivity	3
BSTRACT: Copper Alloyed with 0.4-1.09	Cr is known to possess good strength at
	heat conductivity. In this study, tubes were
	treous flux. Welding conditions are listed ass arc welding. The dependence of the weld-
ng current on metal thickness is lines	er; this current is lowered when the welding
	ssible speed. Arc stability regions are
machically chown on curves relating wa	
raphically shown on curves relating we acrograph of the welded region is pre-	setteer atough at me a buocchrabit or cue trutana
	seitent group at it a buoteftabit of the tritisis
	senced, arong with a photograph of the rinish

, 618µ2-65 ACCESSION NR: AP5016020		3 Type AH-26
ACCESSION NR: AP5016020 ed seam. A large dendritic zone we flux was used, which was preliminal duced into the welding arc by comparing of the welding apparatus, and the flux. On the opposite side of found. Also, any dirt or oil on sity in the final weld. "The aut sciences D. M. Rabkin and Enginee the performance of the present wo ASSOCIATION: Institut elektrosystelectric Welding, AN UkrSSR)	i particularly about the i particularly about the f the seam, some non-met the edges of the incomir hors are sincerely grater Kh. S. Proshchitskiy rk. Orig. art. has:	tallic inclusions were ng piece resulted in poro- eful to Doctor of technical for extended assistance in 4 figures.
SUBMITTED: 23Jul64 NO REF SOV: 004	ENCL: 00 OTHER: 900	
Card 2/2		

KOREPANOV, A.; BERDNIKOV, V.V.; KADOSHNIKOV, B.A.; KAZANTSEV, D.P., red.; VORONTSOVA, Z.Z., tekhn. red.

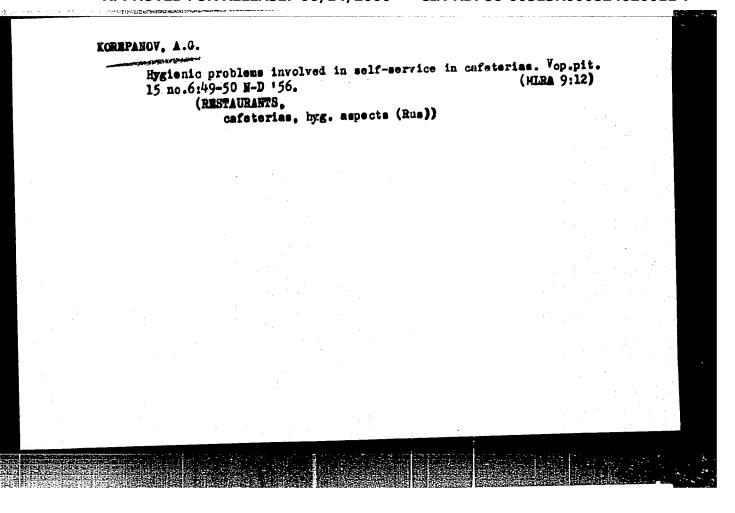
[Our experience in fattening young cattle] Nash opyt nagula modod-nyaka krupnogo rogatogo skota. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1960. 16 p. (MIRA 14:12)

1. Zaveduyushchiy Molochno-tovarnoy fermy kolkhoza "Rassvet" Igribskogo rayona (for Korepanov). (Cattle-Fepding and feeds)

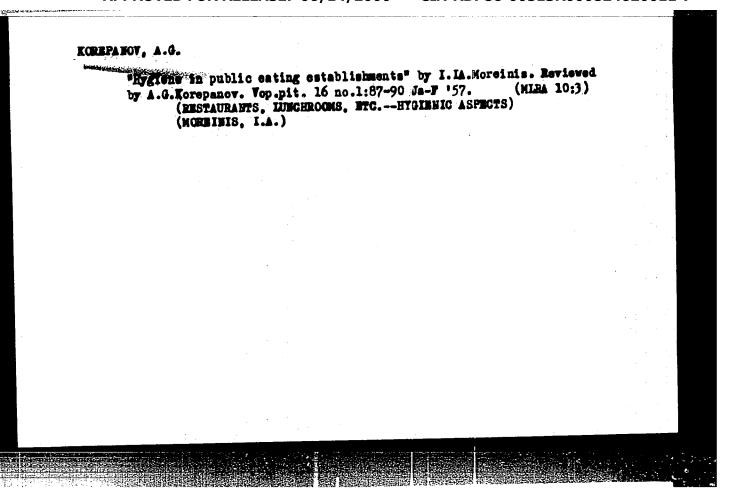
ROPVILLEM, U.Kh.; KOREPAÑOV, A.D.

Possibility of the generation and amplification of hypersound in paramagnetic crystals. Zhur.eksp.i teor.fiz. #1 no.1:211-213 Jl (MIRA 1/4:7)

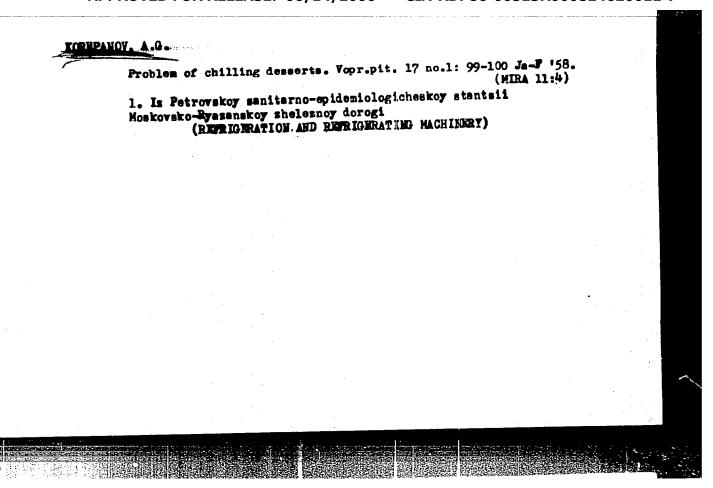
1. Kasanskiy gosudarstvennyy universitet. (Ultrasonic waves) (Euclear spin)

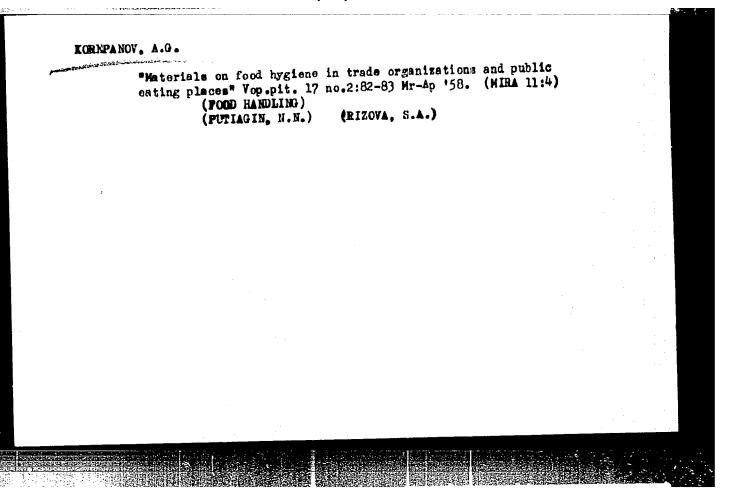


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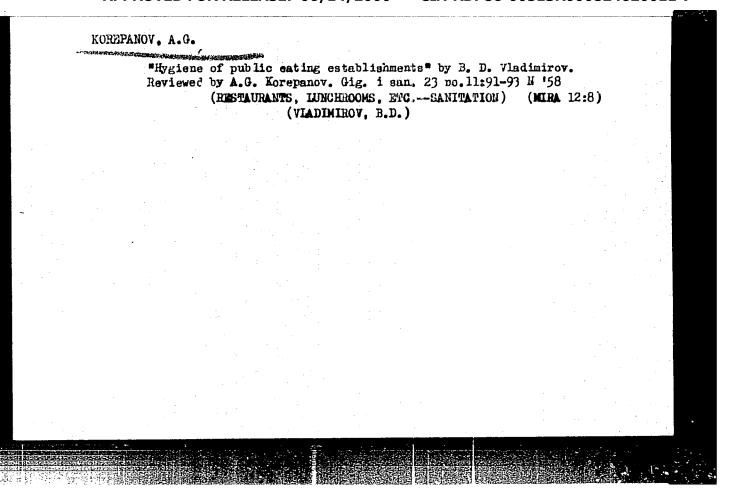
KOPRPAHOV, A.G., sanitarnyy vrech Concerning K.S. Silivanik's article on "Current tasks of senitation control in the planning, construction and operation of standard hospitals." Gig. i san. 22 no.4:59-60 Ap 157. (MIRA 10: 1. Iz Perovskoy sanitarno-epidemiologicheskoy stantali Moskovsko-Ryazamskoy zhalaznoy dorogi.
(HOSPITALS-CONSTRUCTION)





KOREPANOV, A.G., sanitarnyy vrach Teaching minimal sanitation requirements to food workers. Gig.i san. (MIRA 11:9) 23 no.8154-56 Ag 158 1. Is Perovskoy sanitarno-epidemiologicheskoy stantsii Moskovsko-Ryazanskoy shelesnoy dorogie (FOURANDLING, prod., sanit, train. of workers (Rus))

> CIA-RDP86-00513R000824620011-7" APPROVED FOR RELEASE: 06/14/2000



KOREFANOV, Aleksandr Ceorgivevich; BONDAREV, G.I., red.; RALDINA,

N.F., tekhn. red.

[Santiary control of food organizations in institutions for
children and adolescents] Sanitarnyi kontrol; za organizatsiei
pitania v detskikh i podrostkovykh uchrezhdeniakh. Moskva,
Medgiz, 1961. 142 p.

(FOOD HANDLING)

(FOOD HANDLING)

KOREPANOV, A.G. (Moskovskaya oblast') Role of a nurse of a children's or adolescents' institution in the sanitary inspection of food. Med. sestra 21 no.4:46-49 Ap '62. (MÎRA 15:4) (NURSES AND NURSING) (CHILDREN -- NUTRITION) (FOOD ADULTERATION AND INSPECTION)

Morders of functions of the stomach, pancreas, and liver in hypertension. Terap.arkh. 31 no.11:57-62 H '59. (MIRA 13:3) 1. Is gospital'noy terapsyticheskoy kliniki (zaveduyushchiy - prof. A.Ya. Oubergrits) Ishevskogo meditsinskogo instituta. (HYPERTENSION compl.) (LIVER DISMASES eticl.) (PANCREAS dis.) (STOMAGE dis.)

KOREPANOV, A. M., CAND MED SCI, "FUNCTIONAL CONDITION OF THE STOMACH, PANCREAS, AND LIVER IN HYPERTENSION PATIENTS."

DONETSK, 1961. (DONETSK STATE MED INST IMENI A. M. GOR'KIY).

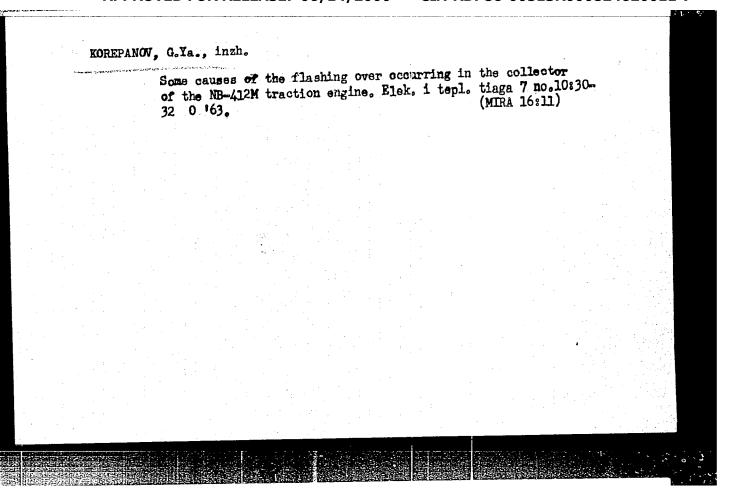
(KL-DV, 11-61, 228).

-262-

ROZZHIVIN, D.M., dotsent; KOREPANOV, C.F. (Perm')

History of the clinic for general surgery of the Perm Medical
Institute (1941-1961). Trudy Perm. gos. med. inst. 43:114-120
163.

(MIRA 17:6)



Contactless recording of potential diagrams of the collectors of traction motors. Trudy MIIT no.157:100-111 "62. (MIRA 16:5) (Electric railway motors)

USSR / Cultivated Plants. Fodder Crops.

Abs Jour

: Ref Zhur - Biologiya, No 13, 1958, No. 58656

Author

: Korepanov, K.

Inst

: Not given

Title

: Fodder Cabbage in the North

Orig Pub

: S.-kh. Sibiri, 1957, No 9, 40-41

Abstract

: Agricultural engineering of growing folder cabbage in the north at the Khanta-Mansi agricultural experimental station and some kolkhoz! are given. The yield of cabbage reached 400 cwt/ha. Fodder cabbage withstands frosts of -8 -10° and supplies fresh fodder during the whole autumn. The best yield was provided by the Mozgovaya zelenaya variety. -- V. M. Kashmanova

Card 1/1

96

KORMPANOV, K.A., kand. tekhn. nauk APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824620011 Calculating ventilation resistance of sine cars. Usol Direction no.1:20-22 Ja '59. (NIRA 12:1)

> 1. Donetskiy industrial nyy institut. (Mine ventilation) (Mine railroads--Cars)

KOREPANOV, K.A., kand tekhn.nauk; SKLYAROV, L.A., ingh.

Galculation of the leakage of a rigid air ventilation duct in blind development dirfts. Izv.vys.ucheb.zav.; gor.zhur. no.4: 87-91 '60. (MIRA 14:4)

1. Donetskiy ordena Trudovogo Krasnogo Znameni industrial'nyy institut. Rekomendovana kafedroy rudnichnoy ventilatsii i teckhniki bezopasnosti.

(Mine ventilation)

KLEBANOV, F.S., kand. tekhn. nauk; ROSSOCHINSKIY, V.I., inzh.; MYASNIKOV, A.A., kand. tekhn.nauk; BARATOV, E.I., kand. tekhn.nauk; MALASHENKO, E.N., inzh.; KOREPANOV, K.A., kand. tekhn. nauk; SKLYAROV, A.A., kand. tekhn. nauk; SYROYEZHKIN, P.V., inzh.; KUKHARSKIY, M.P., inzh.; VORONINA, L.D., otv. red.; BERKGAUT, V.G., red.izd-va; DOROKHINA, I.N., tekhn. red.

> [Improving mine ventilation methods in hydraulic mining] Sovershenstvovanie sposobov proveterivaniia vyrabotok gidroshakht. [By] F.S.Klebanov i dr. Moskva, Izd-vo AN SSSR, 1963. 156 p. (MIRA 16:10) (Hydraulic mining) (Mine ventilation)

ARTEMOV, A.V., dotsent, kand. tekhn. nauk; FROLOV, A.V., gornyy inzh.; KOREPANOV, K.A., dotsent, kand. tekhn. nauk; MOROZOV, I.F., insh. Response to O.I. Chernov's and V.N. Pusyrev's article "Gas emanation from coal." Ugol' 40 no.11:72-73 '65. (MIRA 18:11) 1. Novecherkasskiy politekhnicheskiy institut (for Artemov, Frolov). 2. Donetskiy politekhnicheskiy institut (for Korepanov, Morosov).

Serious claims. Othr.trula i sots.strakh. no.5:76 N '58. (MIRA 12:1) 1. Starshiy insh. upravleniya sel'skogo khosyaystva Kirovskogo oblastnogo soveta deputatov trudyashchikhsya. (Tractors—Safety measures)

KOREPAHOV, P. D.

Ensilage

Our experience in making ensilage. Korm. basa 3 no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September

entember 1953. Unclassified

KOREPANOV, P. D.—Mekhanizatsiya trudoyemkikh rabot na zhivotnovodcheshikh fermakh. (iz opyta reboty chkal. mts. lit. obrabotka N. I. Shushina I K. A. Tarasovoy). Gor'kiy. kn. IZD., 1954 47s. s ill. 14 sm. (JPR, s. kh. propagandy I naukl. Peredoviki zhivotnovodstva o svoyea capte). 2.000 EKZ. Bespl.—Ma obl.. tol'ko 3-Y avt.—vlozhena s 9-yu drugimi knigami etoy serii v futlyar s zagl. serii.—(55-3953) P 636. 0025 (47.37)

S0: <u>Knizhnava Letopis'</u>, Vol. 7, 1955

Korepanov, P.I. Directer 111-58-6-5/25 AUTHOR:

The Mechanization of Work at the Kiyev Post Office (Mekhani-TITLE:

zatsiya proizvodstvennykh protsessov na Kiyevskom pochtamte)

Vestnik Svyazi, Nr 6, 1958, pp 6-8 (USSR) PERIODICAL:

This is a description of the new Kiyev Post Office, where ABSTRACT:

all laborious operations have been mechanized. In the main operation room, band conveyers are used for mail transportation. Telegrams and money orders are transported by pneumatic mail system. Telegrams are also transported by band conveyers of combined type from the twenty-four-hour reception room to the control room of the telegraph exchange. Postal loads are transported by elevators to upper floors and mail bags by winding, stepped and inclined chutes to the lower floors, operator's positions and motor-cars. There are 37 conveyers, with a total length of 500 m. An electric car transports mail from room to room, the doors being automatically opened and closed during its passage.

An automatic continuously operating device comprising one elevator of 20 kg lifting capacity and six band conveyers,

is used for clearing letter boxes and for mail transporta-

tion to the sorting room. The Akhtyrskiy zavod (Akhtyrska Card 1/2

The Mechanization of Work at the Kiyev Post Office

111-58-6-5/25

Plant) of the Ministry of Communications installed two devices for preliminary mail sorting at the post office and is also manufacturing a similar type sorting machine for use in town branch communication offices. A machine of "POM-5" type is used for cleaning mail bags. A 5,400 sq m parking, area handels up to 50 motor-cars, the arrival of which is announced by light and sound signals. A great part of the post office work will be controlled by a dispatcher system equipped with two switchboards of the "DKZ-70" type, with 140 numbers each. More than 200 radio points and a 300 electric clock station are fed by a 100 w radio relay station from the post office. An air-conditioning device is installed. Central heating is assured by the "TETs" type heat supply source. There are 8 photos.

ASSOCIATION: Laboratoriya pochtovoy tekhniki Kiyevskogo pochtamta (The Laboratory of Postal Techniques of the Kiyev Post Office)

Card 2/2

Communication systems - USSR Transportation

6(2) AUTHOR:

Korepanov, P.I., Chief

SOV/111-59-9-14/31

TITLE:

An Automatically Operating Conveyor Line at the Kiyev

Post Office

PERIODICAL:

Vestnik svyazi, 1959, Nr 9, pp 19-20 (USSR)

ABSTRACT:

This item describes an automatically operating conveyor system, 150 m in length, set up at the Kiyev Post Office which connects the main operations hall on the first floor with the sorting division on the third floor. Operation of the conveyor system is outlined in detail with the aid of a diagram of the system. One of the main elements of the system is an automatic lift, the working drawings for which were made in 1955 at the Laboratory of the Kiyev Post Office. Manufacture and assembly of the parts was done by S. D. Polyakov, F.I. Artem'yev, V.I. Voyko and M.S. Garanin, workers at the Laboratory. The electrical system was developed by I.S. Yakubovich, engineer at the Laboratory. The system, states the author, guarantees a smooth flow of correspondence to the sorting division

Card 1/2

CIA-RDP86-00513R000824620011-7 "APPROVED FOR RELEASE: 06/14/2000

SOV/111-59-9-14/31

An Automatically Operating Conveyor Line at the Kiyev Post Office

and an increase in labor productivity of 5 times.

There is 1 pictorial diagram.

ASSOCIATION: Laboratoriya pochtovoy tekhniki kiyevskogo pochtamta (Postal Engineering Laboratory of the Kiyev Post

Office)

Card 2/2

83651

16.9500

S/111/60/000/009/001/001 B002/B060

AUTHORS:

Korepancy, P. I., Chief Engineer

Martinson, K. P., Efficiency Expert

TITLE:

Automatic Conveyor Lines at the Kiyev Post Office

PERIODICAL: Vestnik svyazi, 1960, No. 9, p. 20

TEXT: The first automatic conveyor line was installed at the Kiyev Post Office two years ago, and seven more have been added by now. These lines convey the incoming mail to the respective floors (including deliveries to the telegraph and pneumatic post departments). The conveyor lines switch on and off automatically, basing on a plan by the efficiency expert, K. P. Martinson. By a lever, a conveyed container closes a contact, and the following conveyor line is set in motion for some time. The duration of propulsion depends on how large the capacitor and the resistor are chosen to be in the relay (Fig.). When the relay of the type PTE-4 PC4520150 (RPB-4 RS4520150) was used along with a 20μF electrolytic condenser and a 200 kΩ resistor as well as a selenium rectifier of the type ABC-25 (AVS-25), the working time was about

Card 1/2

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APPROVED FOR RELEASE: 06/14/2000

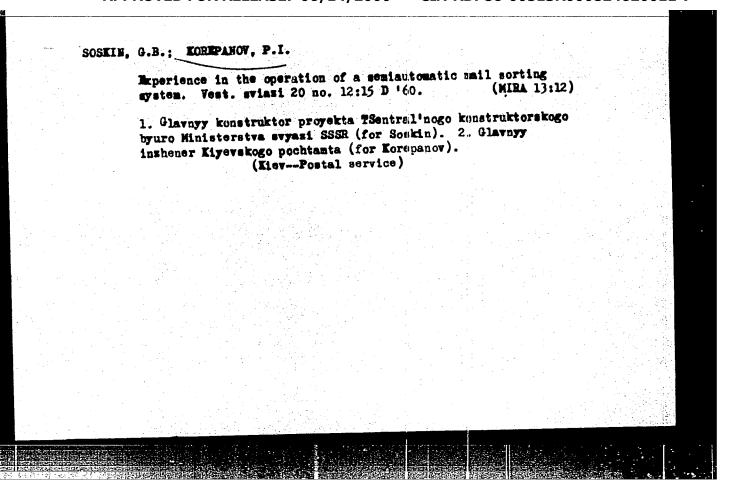
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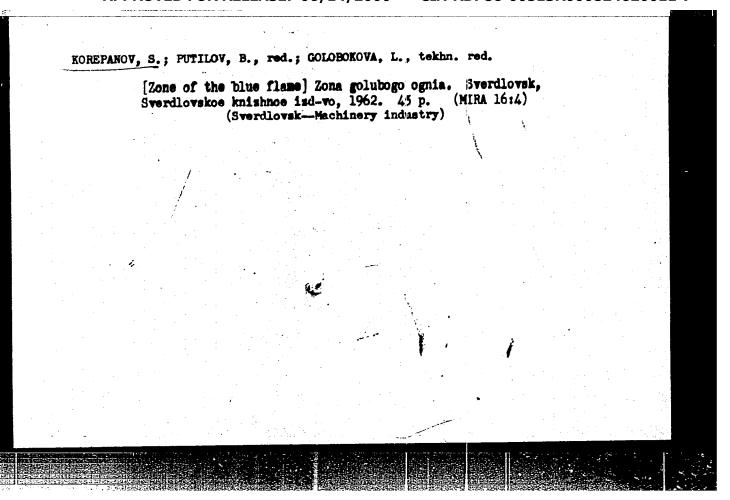
Automatic Conveyor Lines at the Kiyev Post Office

S/111/60/000/009/001/001 B002/B060

15 seconds. From 60 to 75% of electric energy is saved by the automatic switching on and off. There is 1 figure.

ASSOCIATION: Kiyevskiy pochtamt (Kiyev Post Office)





SOV/133-58-8-13/30 Teterin, P.K., Klyamkin, N.L., Candidates of Technical 'AUTHORS:

Sciences, and Musorina, I.Ye., Korepanov, S.P., Sominskiy, Z.A., and Elibert, S.M., Engineers

The Production of Two-layer Soldered Tubes (Proizvodstvo TITLE:

dvusloynykh payanykh trub)

Stal', 1958, Nr 8, pp 722 - 726 (USSR) PERIODICAL:

ABSTRACT: The process of production of two-layer soldered tubes was

developed by TsNIIChM and tested on the Sinarskiy Pipe Plant. The tubes are made from a cold-rolled steel strip coated on both sides with a thin layer of copper. The edges of the strip are bevelled and the strip is formed into a twolayer tube semis with a close contact of the layers and overlapping of edges (Figure 1). The tube semis are passed through an electric furnace, heated to a temperature somewhat higher than the melting temperature of copper.
The heating and cooling is done in a protective atmosphere.
During the heating, soldering of the layers along the whole contact surface takes place. Thus, the manufacturing process consists of four main operations: copper coating of strip boyel outting of edges forming of strip into of strip, bevel cutting of edges, forming of strip into tube semis and soldering. This kind of tube is being produced within a range of diameters from 6 to 16 mm with

Cardl/4

The Production of Two-layer Soldered Tubes

SOV/133-58-8-13/30

the wall thicknesses from 0.6 to 0.9 mm. Low-carbon, mild steel (08) cold-rolled strip, 0.3 - 0.45 mm in thickness supplied in an annealed state in coils of a width corresponding to the required diameter of the tubes is used as a starting material. The strip is electrolytically coated with copper to a thickness of 4µ; 1 µ of copper is deposited from the cyanide electrolyte and 3 µ from an acid electrolyte. The coating process is continuous (Figure 2, table). The speed of strip through the electrolytic baths varies from 2.85 to 9.65 m/min, depending on its width. Cutting of edges is done in one pass without liquid cooling of knives. The rate of cutting up to 65 m/min (Figures 3 and 4). Forming of strip according to scheme shown in Figure 5 is done on a continuous 14-stand mill (Figure 6) produced by TsKBMM TsNIITMASh at a rate of 30-45 m/min. Formed semis are cut into a measured length (14 100 mm). Lots of 30 semis are passed for soldering in an electric resistance furnace (Figure 7) consisting of two chambers: heating and cooling. The temperature of the heating chamber is maintained at 1130 - 1140 °C. The rate of

Card2/4

SCV/133-58-8-13/30

The Production of Two-layer Soldered Tubes

passage through the furnace varies from 0.78 to 2.0 m/min, depending on the tube diameter. Protective atmosphere is obtained from charcoal gas producer (CO 31-37%, H₂>11%, CH₄ 0.2-0.7%, CO₂ 1-4%, humidity 7-10 g/m³). In order to retain a uniform distribution of copper on the surface of tubes during soldering, the latter are coated with a thin layer of a special coating material (not specified) before soldering. It is stated that the mechanical properties of tubes are similar to those of seamless tubes from mild steel (tensile strength 38-42 kg/mm², relative elongation 24-30% and pass the hydraulic test according to GOST 301-50). It is pointed out that the process of production of the above tubes is already introduced into practice. It presents significant, technical and economic dvantages in comparison with the drawing process. Such tubes can replace

Card3/4

CIA-RDP86-00513R000824620011-7 "APPROVED FOR RELEASE: 06/14/2000

The Production of Two-layer Soldered Tubes

SOV/133-58-8-13/30

successfully steel seamless tubes as well as copper and brass tubes, thus providing a large saving of non-ferrous metals.

There are 7 figures and 1 table.

TsNIIChM and Sinarskiy trubnyy zavod (Sinarskiy Pipe Flant), ASSOCIATION:

Card 4/4 1. Pipes--Production 2. Steel--Coatings 3. Furnaces--Appli-

cations

KOREPANOV, S. T.

KOREFANCY, S. T.--Rules of Chain Gearing. (Geometry, Kinematics, and Force Calculation). Leningrad Polytechnic Inst imeni M. I. Kalinin, Leningrad, 1954, (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis, No. 35, 1955

EXCREPANOV, S.T., kand. tekhn. nauk

Determining the circumference diameter of star-wheel curves of chain drive transmissions. Izv. vys. ucheh. zcv.; mashinostr. no.9:68-78 '64. (MIMA 17:12)

1. Leningradskiy institut aviatsicnnogo priborostroyentys.

TAL'YANSKIY, I.; SHTRAYHHER, A.; KOREPANOV, V.; MEDVELLEV, S.

Universal record players and long-playing records. Radio no.8:11 Ag '53.

(MIRA 6:8)

(Phonograph records) (Phonograph)

L 30351-66 EWT(1) IJP(c) GD

ACC NR. AT6014770

SOURCE COIE: UR/000/0/64/000/000/0134/0160

AUTHOR: Korepanov, V. D.; Chernitsyn, A. I.

ORG: none

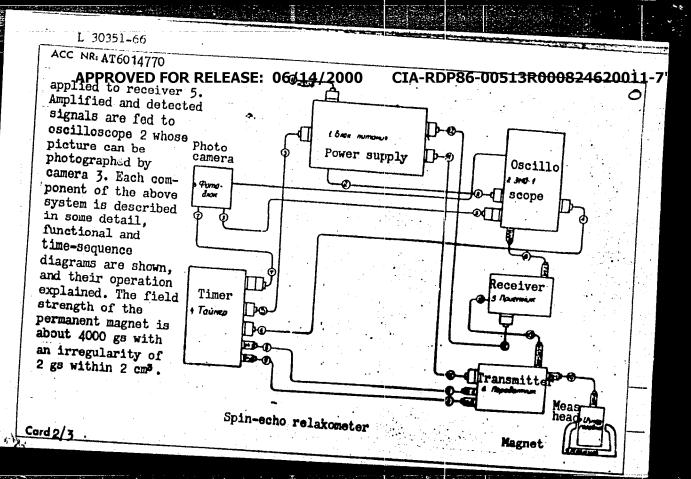
TITLE: Nuclear magnetic relaxometer

SOURCE: Paramagnitnyy rezonans (Paramagnetic resonance); sbornik statey, Kazan, Izd-vo Kazanskogo univ.. 1964. 134-160

TOPIC TAGS: nuclear relaxometer, magnetic relaxometer, spin relaxation, spin echo

ABSTRACT: Essentially, the article consists of two parts: (1) A review of the spin echo phenomenon and its use in measuring relaxation and self-diffusion time and (2) A description of a spin-echo relaxometer developed by the authors in 1959-61. In the review, the fundamental methods of E. L. Hahn (Phys. Rev., v. 80, 580, 1950) and H. Y. Carr et al. (Phys. Rev., v. 94, 630, 1954) and also their later improvements and modifications are considered. In the new relaxometer (see figure), the relaxation time T_2 is measured by the Hahn method ($\pi/2 - \pi$) and the T_1 time, by application of a pulse series $\pi/2 - \pi - \pi/2 - \pi$. The necessary repetition frequency is taken from the oscilloscope 1-f oscillator (the 1-f pulses control timer 4 which produces square pulses). Transmitter 6 turns timer video pulses into r-f pulses; their frequency depends on the permanent-magnet 8 field strength. Transmitter pulses are applied to measuring head 7 in whose coil they create a pulsed r-f field; the same coil receives (over cable 13) nuclear induction signals

Card 1/3



Sample oscillograms of T ₁ and T ₂ measurements are a S. N. Medvedey who took part in the development of 25 figures and 17 formulas. SUB CODE: 18 / SUBM DATE: 04Jun64 / ORIG REF: 006 /			are shown. The schement of the schement	shown. The authors wish to thank the scheme. Origo art, has: [03]		
500	ni laita: 04Jun64	/ ORIG REF:	006 / OTH REF:	010 / ATD P	RESS:5016	
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24 (0)

AUTHORS: Korepanov, V. Dan Dautov, R. A.,

807/56-37-1-52/64

TITLE:

Measurement of the Transversal Proton Relaxation Time in Aqueous Solutions of Paramagnetic Salts by Means of the Spin Echo Method (Izmereniye vremeni poperechnoy protonnoy relaksatsii v vodnykh rastvorakh paramagnitnykh soley metodom spinovogo ekho)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 1, pp 308 - 309 (USSR)

ABSTRACT:

By means of the spin echo method it is possible to determine the absolute values of the longitudinal and transversal relaxation times T₁ and T₂ experimentally, especially in liquids of low viscosity. The authors of the present "Letter to the Editor" give a report about T2-measurements by means of an experimental arrangement which is not described. The measurements were carried out at a frequency of 12.2 megacycles in a constant magnetic field, the r. f. magnetic field (amplitude ~ 3.7 0e) was applied to the sample in form of two successive short square pulses (16 and 32 µsec), warranting a nutation of the magnetic

Card 1/2

CIA-RDP86-00513R000824620011-7 APPROVED FOR RELEASE: 06/14/2000

Measurement of the Transversal Proton Relaxation Time in Aqueous Solutions of Paramagnetic Salts by Means of the Spin Echo Method

SOV/56-37-1-52/64

polarization of the water protons to 90 and 180° respectively. The delay between the pulses could be varied between 0.3 and 2 µsec. In the case of the experimentally obtained times of the order of $T_2 \sim 10^{-3}$ sec, self-diffusion of water molecules in the highly inhomogeneous field was neglected. The results obtained by the T2-measurements of the protons of water for a Fe(NO3)3solution in dependence on its pH value are shown by a diagram. With increasing pH value, the curve shows an exponential ascent (pH = 2.5, $T_2 > 3$ µsec). The results are briefly discussed. The authors finally thank A. A. Popel' and A. I. Rivkind for discussions. There are 1 figure and 4 references, 1 of which is

ASSOCIATION:

Kazanskiy gosudarstvennyy universitet (Kazan' State University)

SUBMITTED:

March 25, 1959

Card 2/2

KOREPANOV, V.D.; CHERNITSYN, A.I.; DAUTOV, R.A.

Spin scho in a local field. Zhur. sksp. i teor. fiz. 45 no.2;
385-386 Ag '63. (MIRA 16:9)

1. Kazanskiy gosudarstvennyy universitet.
(Muclear spin) (Magnetic fields)

L 1314-66 EWI(1)/EPF(ACCESSION NR: AR50143	(c)LP(c)w/os	
SOURCE: Ref. zh. Fizik	UR/0058/65/000/004/D038/D038 ka, Abs. 4D285	18
AUTHOR: Koloskova, N.	G.: Korepanov, V. P.	
CITED SOURCE. CL.	rve for the nuclear induction signal	
Kazansk. un-t, 1963, 4-5	. nauchn. konferentsiya Kazamsk. un-ta za 1962 a kazamsk.	m',
TOPIC TAGS: nuclear phy Line	ysics, nuclear resonance, resonance absorption, resona	
nuclear resonance signal	based on the	
and a. R. Yul'met'yev.	based on the resonance absorption line $g(v)$ in the few a and a are constants. The curve for $g(v)$ is rectangled. Kethods are given for finding the parameters.	gular
t p = 0 and Gaussian at and a. R. Yul'met'yev. JB CODE: NP	e A and α are constants. The curve for $g(v)$ in the for $g(v)$ is rectangled. Hethods are given for finding the parameters. ENCL: 00	igular A,

L 1302-66 EWT(m)/EPF(c)/EWP(t)/EWP(b) ACCESSION NR: AR5014399 UR/0058/65/000/004/D042/D043 SOURCE: Ref. zh. Fizika, Abs. 4D324 AUTHOR: Korepanov, V. D.; Kirillov, Ye. I.; Chernitsyn, A. I. TITLE: Equipment for measuring relaxation times of fluorine nuclei by the pulse method in the 0.3-300°K range CITED SOURCE: Sb. Itog. nauchn. konferentsiya Kazansk. un-ta za 1962 g. Kazan', Kazansk. un-t, 1963, 5-6 TOPIC TAGS: fluorine, radioisotope, relaxation process, cadmium fluoride, crystal TRANSLATION: Electronic equipment is described for measuring the relaxation times T_2 and T_1 of F^{19} nuclei in CaF_2 crystals by the pulse method. A general block diagram of the equipment is given together with the receiver and transmitter circuits. A device is examined for creating temperatures down to 0.3°K. A high frequency head is described for studying the specimen. Methods for measuring temperatures are SUB CODE: NP. 55 ENCL: 00

CCESSION NR: AP5016389	539.1.078:539.19	
WHOR Formance V. D. Charmitern	UR/0120/65/000/003/0139/0141/1/ 539.1.078:539.19 A. I.; Shvets, A. D. R. at. termogratures down to 0.38	v lik
THOR: Korepanov, V. D.; Chernitsyn,	4. 1., Savets, A. D 44,55	
ITLE: Equipment for investigating NY OURCE: Pribory 1 tekhnika eksperimen	21.44,65	
PIC TAGS: NMR, low temperature rese	그의 교회 등 등 내내는 그리고 그는 그리는 것이다.	
E, 1962, no. 3, 198. A temperature	near-0. K temperatures was described in of 1.2-15K is attained by exhausting liquid indenses in a dewar vessel. The condensate is	A TOTAL STREET
nal temperature down to 0.315K for sclei in liquid, gas, and solid spec	sorbed by a carbon pump, which brings the 4 hours or more. NMR can be measured on He ⁵ timens. The same outfit permits measuring	
msec 900 pulse and a receiver pass	63X. NMR is studied by a pulse method, with a band of 100-200 ke; the resonance frequency is wish to thank S. A. Shigimage and	
o. I. Kirillov for their great help rig. art. has:)2 figures.	in building and mounting the equipment." 44,55	

ACCESSION RE: AF 30 10 303		and State University)	
ACCESSION NR: AP5016389 ASSOCIATION: Kazanskiy gosuda Fiziko-tekhnicheskiy institut AN UkrSSR)	AN UKrSSR, Khar'kov (I'hy	sico Tochnical Institute,	
AN UKrssr)	encl: 00	Sub Code: TD, NP	
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61,699-65 ENT(1)/ENT(m)/T/ENP(t)/ENP(b)/ENA(c)	DIAAP,	(IJP(c)	7
CCESSION NR: AR5012275	UR/0058	/65/000/003/D052/D052	A CONTRACTOR
OURCE: Ref. zh. Fizika, Abs. 3D398 YY, C UTHOR: Dautov, R. A.; Korepanov, V. D.; Cherni	syn, A.	grat B	
ITIE: Effect of temperature on relaxation of ringle crystal 1,44,15 ITED SOURCE: Sb. Itog. nauchn. konferentsiya K	9 nucles 19,44,	in a synthetic Car2	
azansk. un-t, 1963, 14-15 OPIC TAGS: calcium fluoride, single crystal, cation process, low temperature effect	k ber selection billion		
RANSLATION: Relaxation of F ¹⁹ nucled is expering the state of the st	mentally y (conce od at a	studied in a CaF ₂ single stration of the order of Frequency of 13.5 Mc from	
SUB CODE: SS, NP. ENCL: C	Ю т		

L 61659-65 UR/0058/65/000/005/D063/D063 ACCESSION NR: AR5015979 SOURCE: Ref. zh. Fizika, Abs. 50466 AUTHORS: Korepanov, V. D.; Chernitsyn, A. I. TITLE: Nuclear magnetic relaxometer CITED SOURCE: Sb. Paramagnitn rezonans. Kazan', Kazansk. 4m-t, 1964, 134-160 TOPIC TAGS: relaxometer, nuclear magnetic relaxometer) spin echo, molecular self diffusion, relaxation time TRANSIATION: The authors describe a nuclear magnetic relaxqueter which is manufactured commercially. The instrument makes it possible to measure the times of longitudinal and transverse relaxation T_1 and T_2 and the coefficient of molecular self-diffusion D by the spin-echo method. To was measured by the Hahn method (pair of 90° and 180° pulses), while T₁ was measured by applying to the sample a sequence of radio-frequency pulses at 90° --180° --90° --180°. The instrument circuit differs from the known instruments in that it includes an automatic programming device -- a timer which generates, in accordance with a prescribed program, pulses for the modulation of the high-frequency generator during the measurement of T_1 and T_2 . The spin-echo phenomenon, the condition for its production, and the methods for mea-Card 1/2

ACCESSION NR: AR5015979 Ouring T ₁ and T ₂ and D are briefly considered; the instrument, the operating principle, and the construction of the magnet are described in detail. Illustrations, diagrams and a comlete set of electric circuits are included. V. Kolbasov.				
Card 2/2 Jlb				
		\$P\$ (1984年) [1985年 1984年 1		

24,7900

25688 8/181/61/003/007/010/023 B102/B214

AUTHORS:

Kopvillem, U. Kh., and Korepanov, V. D.

TITLE:

The appearance of hypersonics on saturation of paramagnetic resonance in crystals

PERIODICAL: Fizika tverdogo tela, v. 3, no. 7, 1961, 2014-2022

TEXT: On saturation of paramagnetic resonance in crystals the population difference $\Delta n_{ab} = n_a - n_b$ of an energy-level pair $(E_a < E_b)$ of magnetic ions can become negative. If a weak variable magnetic field of amplitude H and frequency $\omega_{ba} = \tilde{h}^{-1}(E_b - E_a)$ acts on this crystal, a radiation (photon production on account of magnon annihilation) is induced, which exceeds the induced absorption. Thus, the magnetic field is amplified, or a variable electromagnetic field is generated if there exists no external H field. Theoretical investigations of S. A. Al'tshuler (ZHETF, 28, 38, 49, 1955) as well as experimental studies show that on excitation of a paramagnetic crystal by hypersonics of frequency ω_{ba} and amplitude A,

Card 1/6

25688 8/181/61/003/007/010/023 B102/B214

The appearance of hypersonics ...

there occurs a forced production and annihilation of magnons and phonons (instead of the photons). What has been said above holds if only one says "phonon" instead of "photon" and "A" instead of "H" (A - amplitude of lattice vibrations). If magnetic as well as hypersonic excitation exists, there take place different interference effects in the crystal, which can be used for the indication of electromagnetic and sound fields. The object of the theoretical investigations described here was to classify the effect and estimate its order of magnitude. A nonequilibrium state of a spin system, caused by the saturation of paramagnetic resonance is considered, where the self-excitation of hypersonics in the crystal is possible at the cost of the energy of an alternating field. Parameters are introduced by which the conditions for the appearance of the reversepieso-magnetic effect can be determined. Taking into account the existing theories and the experimental results on acoustic magnetic resonance and on the change of constants of the crystal field by pressure, the piezo-magnetic parameters of a number of crystals including electronic, nuclear, and mixed spin systems are estimated. The values obtained for the sound quality factor Q3 are given in a table. Q_3 is defined by $Q_3 = [FC]^{-1}\omega_{ba} = [2\chi^3]^{-1}\rho\omega_{ba}^2$, where Card 2/6

25688 s/181/61/003/007/010/023 B102/B214

The appearance of hypersonics ...

direction, and F is the spund-absorption coefficient of the spin H system. Further, Q_3 =constant $\frac{T\Delta}{\Delta_3}$ for S>1/2, and Q_3 =constant $\frac{T\Delta}{2}$ for S'=1/2 and for rare-earth ions. The quantum-mechanical "temperature", T, for level pairs is determined from the relation $\Delta n_{ab}/(n_a+n_b)=th(hv_{ba}/kT)$. S is the effective spin of the paramagnetic ion, Δ is the half-width of the line in frequency units, and 0 is the concentration of magnetic ions in the crystal. At the present level of experimental technique, hypersonics can be excited as a result of interaction between crystal lattice and electronic or nuclear spin in magnetic ions. Finally, the indication of electromagnetic and sound fields by means of interference phenomena is briefly discussed. First of all, the production of hypersonics having frequencies >10 10 cps is discussed. Using a klystron with v~10 11 cps and the harmonic cross relaxation, a negative population difference ($|E_a-E_b|\sim 3hv$) can be created on the levels and sound of the corresponding frequency generated. The change of the amplification factor of the amplitude H on the levels Card 3/6

qis the crystal density. C the sonic velocity in the crystal in the x-

25688

S/181/61/003/007/010/023
The appearance of hypersonics ... B102/B214

E and E due to self-excitation is used for the indication of hypersonics. The reverse process is analogously used for the indication of the electromagnetic field. The authors thank S. A. Al'tshuler for a discussion. There are 1 table and 28 references: 9 Soviet-bloc and 19 non-Soviet-bloc. The most important references to English-language publications read as follows: N. Bloembergen. Phys. Rev., 104, 324, 1956; M.W.P.Strandberg. Phys. Rev. 111, 1268, 1958; E. H. Jacobsen et al. Phys. Rev. Lett., 3, 81, 1959.

ASSOCIATION: Kasanskiy gosudarstvennyy universitet in. V. I. Ul'yanova-Lenina (Kasan' State University imeni V. I. Ul'yanov-Lenin)

SUBMITTED: February 10, 1961

Card 4/6

*s/056/61/041/001/015/021 B102/B214 24.1800 (1137, 1144, 1482) Kopvillem, U. Kh., Korepanov, V. D. AUTHORS: The possibility of generation and amplification of TITLE: ultrasonics in paramagnetic crystals Zhurnal eksperimental noy i teoreticheskoy fiziki, PERIODICAL: no. 1(7), 1961, 211-213 TEXT: In this paper the interaction between a nonequilibrium paramagnetic spin system and crystal lattice is investigated theoretically; the conditions in which the spin-lattice interaction leads to the excitation or amplification of ultrasonics in crystals are studied. authors start from the theory of S. A. Al'tshuler (ZhETF, 28, 38, 49, 1955) which has been verified experimentally (E.H. Jacobsen et al. Phys. Rev. Lett., 3, 81, 1959). According to this theory phonons can be produced or annihilated in paramagnetic crystals under the action of ultrasonics of frequency $t_{ba} = (E_b - E_a)/h \sim 10^{10}$ cps on account of annihilation and production of magnons. The operator describing the interaction of the Card 1/4

The possibility of generation and ... S/056/61/041/001/015/021 Here t is time, R amplitude, S/056/61/61/61 S/056/61/61/61 S/056/61/61 S/056/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61/61 S/056/61 S/056/6

25420 8/056/61/041/001/015/021 B102/B214 The possibility of generation and ... H perpendicular to the symmetry axis (z) of the crystal. One obtains; $Q_A \sim T (2S + 1) k \rho \Delta c_s^2 (2\pi v_{ba} N^o a_{so}^2) \langle a | S_s^2 | b \rangle |^2]^{-1} (\partial D / \partial X_{ss})^{-2} =$ == 6,38 ·1011 T/Vba. where k is the Boltzmann constant, NA the number of Ni2+ ions per cm3, S the spin, Δ the width of the line of magnetoacoustic resonance, α_{33} the elastic constant, and T the temperature. The following constants computed: $c_z^2 = 2.5 \cdot 10^{11} \text{ (cm/sec)}^2, N^{\pi} = 4 \cdot 20^{21}, p = 2.08 \text{ g/cm}^3$ $\alpha_{33} = 0.5 \cdot 10^{12} \text{ dyne/cm}^2, \quad \Delta = 3.2 \cdot 10^9 \text{ ops},$ $\int D/J X_{zz} = -3.37 \cdot 10^{-26} \text{erg.om}^2/\text{dyne}, \quad |\langle a | S_z^2 | b \rangle|^2 = 10^{-1}$ The Ni-Ni distance in the lattice is assumed to be 6.27 %. For T = 10K and $v_{\rm ba} = 10^{10} {\rm cps}$ one obtains $q_{\rm A} \approx 63.8$. A significantly smaller value is obtained for Cr ions. To illustrate the above, some possible model's of ultrasonic generators and amplifiers working with NiSiF6.6H20 are

The possibility of generation and ... S/056/61/041/001/015/021

discussed when H is parallel to the trigonal crystal axis (s). Calculations show that in many cases it is easier to realize the conditions for phonon production than those of photon production at the expense of the energy of the spin system. The possibility of the use of nonequilibrium spin system for the detection of acoustic or electromagnetic signals is also discussed. This is accomplished by the method of doubled magneto-ultrasonic resonance in the presence of a strong variable magnetic field. The authors thank S. A. Al'tshuler for discussions. There are 6 references: 2 Soviet-bloc and 4 non-Soviet-bloc.

ASSOCIATION: Kazanskiy gesudarstvennyy universitet (Kazan' State University)

SUBMITTED: January 31, 1961

Appearance of hypersound at the saturation level of paramagnetic resonance in crystals. Fiz.tver.tela 3 no.7:2014-2022 Jl '61. (MIRA 14:8)

1. Kasanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina. (Paramagnetic resonance and relaxation) (Nuclear spin) (Crystal lattices)

L 17216-63
ACCESSION NR: AP3005299

AUTHORS: Korepanov, V. D.; Chernitsy*n, A. I.; Dautov, R. A.

TITLE: Spin echo in local field

SOURCE: Zhur. eksper. i teoret. fiz., v. 45, no. 2, 1963, 385-386

TOPIC TAGS: spin echo, local field, paramagnetism, ferromagnetism, low temperature

ABSTRACT: Spin echo of F⁴⁸ nuclei was observed in the inhomogeneous field of the paramagnetic ions Gd³¹, present in the form of an impurity with approximate concentration 0.01% in the single-crystal CaF2 under study. The effect was absent at room and liquid-nitrogen temperatures and was easily observable at 4.2°K. An echo signal due to internal inhomogeneities is normally not observed, except in ferromagnets where the local field is produced by electrons. The amplitude of the echo signal is much smaller than that of free pre-Card 1/2

ession, and the width,	characterizing the local file	ld, decreases	and Annex
f the width was observe	20-30 G at 4.2°K. No prono	1 to U. Kh.	
omenon. They are also	out the possibility of the ingrateful to A. D. Shvets for nova for growing the single	constructing the	
. A. Al'tshuler for dis	scussions and for interest in	the work."	
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SSOCIATION: Kazanskiy niversity)	gosuđarstvenny*y universitel	: (Kasan' State	The second of
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niversity) VÊMITTED: 08May63			eranama eranaman kanaman eranaman an
niversity)	DATE ACQ: 06Sep63	ENCL: 00	

KORRPANOV, Ya.A. [degeased].

"The Moscow Sea" by A.V. Gavenna. Isv. Thes. Geog. ob-va 89 no.2:
167-169 Mr-Ap '57.

(Moscow Reservoir)

KOREPANOVA, A.V.

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M-3

Abs Jour

: Ref Zhur - Biol., No 20, 1958, 91671

Author

: Korepanova, A.V.

Inst

Scientific Research Institute for Agriculture in the Extre-

me North.

Title

: The Vernalization of Potatoes in Ditches.

Orig Pub

Byul. nauchno-tekhn. inform. N.-i. in-ta s. kh. Krayn.

Severa, 1957, No 3, 41-42.

Abstract

The Khanty-Mansiyskaya Agricultural Experimental Station established the possibility of successful vernalization of potatoes in ditches 25-30 cm deep and 130 - 150 cm wide with the potatoes stacked in layers of 2 - 3 tubers. The duration of vernalization was 15 - 18 days. In the experiments of the Station the potato yields with vernalization in ditches and racks was identical and totalled 175 -

184 centner/hectare. -- G.N. Chernov.

Card 1/1

KOREPANOVA, E.F.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824620011

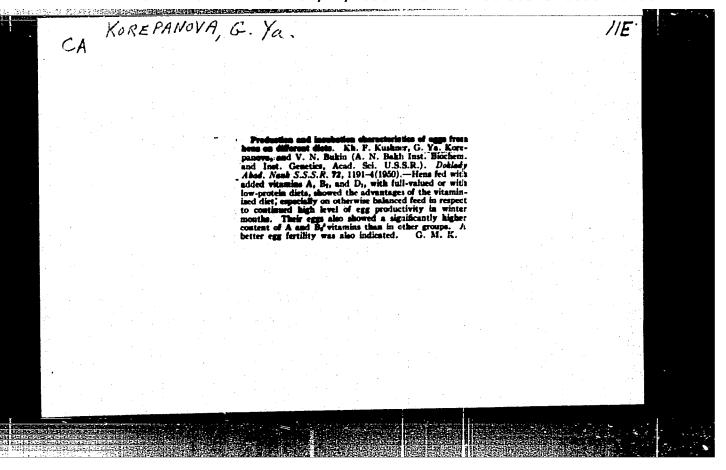
Cytology of the secretion of the female wrethre. Akush. 1 gin. 37

no.3:100-101 My-Je '58.

(MIRA 11:6)

1. Iz akushersko-ginekologicheskoy kliniki (zav. kafedroy - prof. A.V.Khokhlov) Izhevskogo meditsinskogo instituta.

(URETHRA, physiol.
secretion in female, cytol. exam. (Rus))

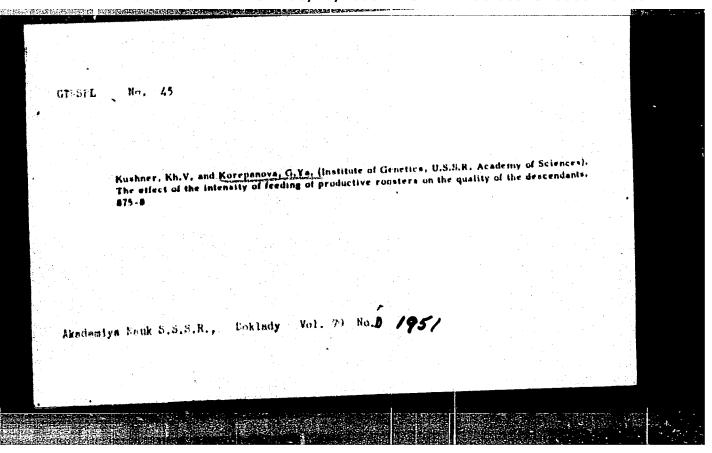


KORIPANOVA, G. YO. Cend Bologued Si

"Effect of Feeding Conditions on the Breeding Characteristics of Hens." Sub 29 Dec 51, Inst of Genetics, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55



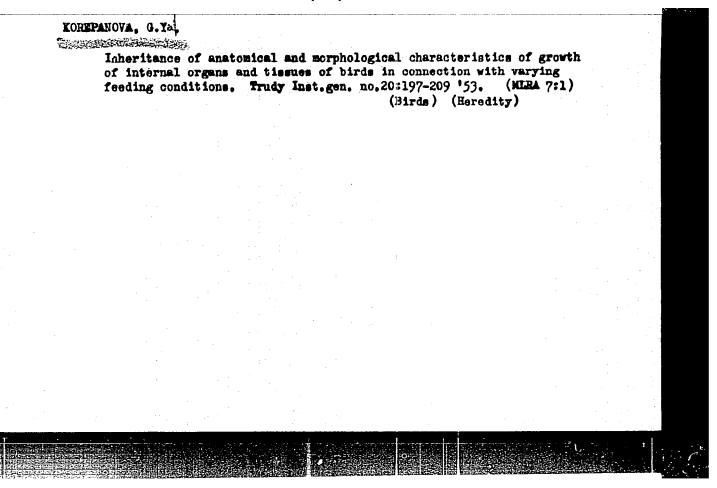
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	SO: Monthly List of Russian Accessions, Library of Congress,	July	195 1 , Uncl.						

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- 7. Experiment in contrast feeding of hens through two generations, Trudy Inst. gen, No. 19, 1952.

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GUBERGRITS, A.Ya., prof., zasl. deyatel' nauki Udmurtskoy Avtonomoy

SSR, etv. red.; VURCHENINI, S.T., zasl. deyatel' nauki

Udmurtskoy Avtonomoy SSR, red.; GAZIZOV, A.M., red.; ZARAYSKAYA,

A.A., red.; MAKAYSV, A.E., red.; CHRSHKOV, T.M.; masl. vrach Udmurtskoy

Avtonomoy SSR, red.; ODETAKOV, G.A., red.; RUPASOV, N.F.,

red.; SOHOVA, V.I., red.; KOREPANOVA, L.V., red.; MASHAGATOV,

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[Problems in the pathology of the biliary tract; collected scientific works of the First Republic Clinical Hospital] Voprosy patologii zhelchnykh putei; sbornik nauchnykh trudov l-i Respublikanskoi klinicheskoi bol'nitsy. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1960. 222 p. (MIRA 15:3)

1. Zaveduyushchiy terapevticheskimi klinikami Izhevskogo meditsinskogo instituta (for Gabergrits). 2. Terapevticheskaya klinika Izhevskogo meditsinskogo instituta (for Oreshkov, Mashagatov). 3. Zaveduyushchiy fakul'tetom khirurgicheskoy kliniki Izhevskogo meditsinskogo instituta 1-oy Respublikanskoy klinicheskoy bol'nitsy Ministerstva zdravockhraneniya Udmurtskoy Artonomnoy SSR (for Voronchikhin). 4. Fakul'tet khirurgicheskoy kliniki Izhevskogo meditsinskogo instituta 1-oy Respublikanskoy klinicheskoy bol'nitsy Ministerstva zdravockhraneniya Udmurtskoy Artonomnoy SSR (for Odiyankov).

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KOREPIN, Ye.A., Cand ech Sci -- (diss) "Theoretical and experimental study of piezoelectric transformers of accelerometers." Len 1958, 14 pp (Min of Higher Education USSR. Len Polytechnic Inst im M.I. Kalinin) 150 copies, Bibliography at end of text (17 titles) (KL, 42-58, 115)

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SVIRIDOV, A.P.; KOREPIN, Ye.A.; BYSTROV, A.I.; KARPOV, V.G.; BARASHKOV, S.K.

Supersound projector equipped with Y-cut quarts piesoelectric cells.

Isv.vys.ucheb.sav.; prib. no.1:34-37 159. (MIRA 12:11)

1. TSentral'naya nauchno-issledovatel'ukiaya lahoratoriya mestuoy promyshlennosti Lengorispolkoma.
(Ultrasonic waves---Industrial applications)

9(2) AUTHOR:

Korepin, Ye.A.

TITLE:

Wide-Band Piezoelectric Transducers for Accelerometers (Shirokopolosnyye p'yezoelektricheskiye

preobrazovateli dlya akselerometrov)

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 4, pp 22-25 (USSR)

SOV/115-59-4-13/27

ABSTRACT:

The author presents formulae for the calculation of piezoelectric transducers of accelerometers. The data required for the calculations are listed in table 1 for quartz, Rochelle salt, barium titanate, etc. For these piezoelectric materials, the author furnishes formulae for calculating the natural frequency and the sensitivity to acceleration. In several diagrams, methods for glueing piezoelectric elements are shown. The author investigates briefly the errors possible with such transducer systems.

There are 5 diagrams, 1 graph, 4 tables and 2

Soviet references.

Card 1/1

materialov, no.1)

(MIRA 14:11)

BARASHKOV, Sergey Konstantinovich; EYSTROV, Anatoliy Ivanovich; KARPOV, Vladimir Gavrilovich; KOREPIN, Yevgeniy Andreyevich; SVIRIDOV, Anatoliy Petrovich; MIKHALEV, B.Ye., inzh., red.; FREGER, D.P., red. isd-va; GVIRTS, V.L., tekhn. red. [Ultrasonic radiator made from barium titanate ceramics for technological applications] Izluchateli ul'trazvuka iz keramiki titanata bariia dlia tekhnologicheskikh primenemii. Leningrad, 1960. 18 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy.

(Ultrasonic waves)

Obmen peredovym opytom. Seriia: Elektricheskie metody obrabotki

CIA-RDP86-00513R000824620011-7" **APPROVED FOR RELEASE: 06/14/2000**

PHASE I BOOK EXPLOITATION

sov/5229

Korepin, Yevgeniy Andreyevich, Candidate of Technical Sciences

P'yezoelektricheskiye preobrazovateli akselerometrov (Piezoelectric Converters of Accelerometers) Leningrad, 1960. 23 p. 5,500 copies printed. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy. Obmen peredovym opytom, no. 39. Seriya: Pribory i elementy avtomatiki, vyp. 5)

Sponsoring Agencies: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR and Leningradskiy dom nauchno-tekhnicheskoy propagandy.

ED.: B. Ye. Mikhalev, Engineer; Ed. of Publishing House: D. P. Freger; Tech. Ed.: V. L. Gvirts.

PURPOSE: This booklet is intended for technical personnel concerned with the automation of industrial processes.

COVERAGE: The booklet contains a detailed description of piezoelectric converters of accelerometers. Their advantages over other

Card-175

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824620011-7"

5/887/61/000/000/006/069 E073/E155

AUTHORS: Babikov, O.I., Korepin, Ye.A., Mikhalev, B.Ye., and

Belyayev, Yu.V.

Piezoelectric ultrasonic radiator.

(A.c. no. 117326, cl. 42s (no. 598828 of April 28, 1958)).

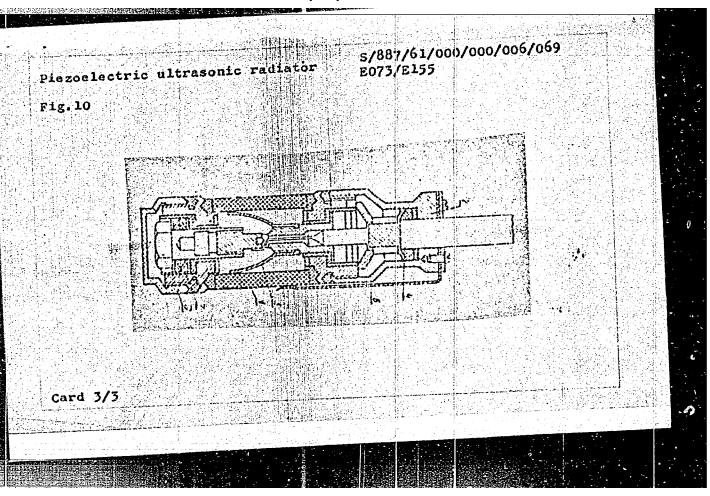
Sbornik izobreteniy; ul'trazvuk i yego primeneniye. Kom. po delam izobr. i otkrytiy. Moscow, Tsentr. byuro SOURCE:

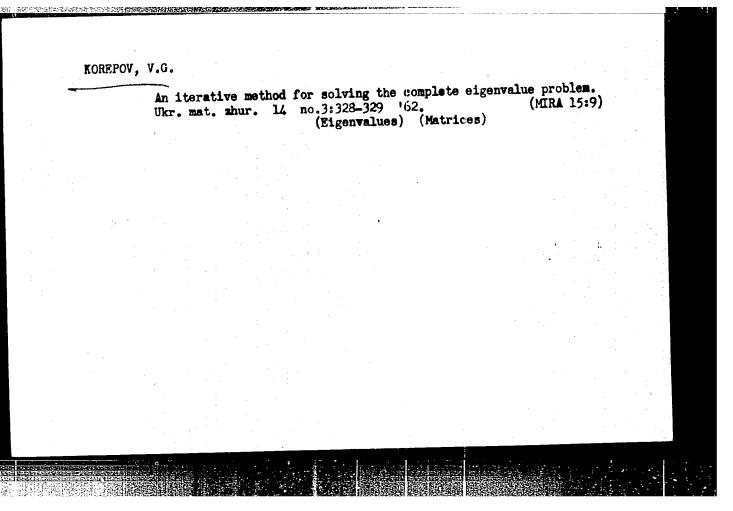
tekhn. inform., 1961, 14-15

TEXT: A cylindrical piezoelectric ultrasonic radiator is proposed for effective cleaning of the internal surfaces of components (for instance internal surfaces of tubes) in cleaning baths. This consists of a radially polarised piezo-element designed as a hermetically sealed hollow cylinder. This design of radiator ensures that only the outer surface emits ultrasonics. The radiator (Fig. 10) consists of a cylindrical, hollow piezo-clement, the body 2, the lid 3 and the components which supply the piczo-element. Sealing gaskets ensure hermetic sealing of the internal cavity of the radiator. Deformation of the insulating and sealing gaskets is prevented by flat springs. The silver Card 1/3

coating of the radiator is protected by a layer of rhe proposed radiator is economical and convenient in use. It has been acknowledged useful by the Akusticheskiy (Acoustics Institute, AS USSR). There is 1 figure. [Abstractor's note: Complete translation.] Fig. 10. 1 - piezoelectric projector; 2 - body; 3 - lid; 4 - cable; 5 - spring contact; 6 - contact plate; 7 - flat springs. Card 2/3	Piezoelectrić ù	(ltrasonic ra	diator	S/887/61/ E073/E155	/ooc/000/006/069		
Abstractor's note: Complete translation. Fig. 10. 1 - piezoelectric projector; 2 - body; 3 - lid; 4 - cable; 5 - spring contact; 6 - contact plate; 7 - flat springs.	The proposed ra has been acknow	diator is ec ledged usefu	conomical and the Al	nd convenie	ent in use. It	SSSR	
1 - piezoelectric projector; 2 - body; 3 - lid; 4 - cable; 5 - spring contact; 6 - contact plate; 7 - flat springs.	그러워 이번 이 보는 그리지 않는 무슨		ite transla	ion.]			
	1 - pi 4 - ca	able; 5 - sp	projector; pring contac	2 - body; ct; 6 - co	; 3 - lid; ontact plate;		
Card 2/3		at springs.					
	Card 2/3						

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824620011-7





PODOL'SKIY, Yu.Ya. (Moskva); KOREPOVA, I.V. (Moskva); VINOGRADOV, G.V. (Moskva)

Conditions and kinds of seizing caused by the friction of hardened steel in hydrocarbon lubricating media. Mashinovedenie no.5:109-114 *65. (MIRA 18:9)